



THINK NAMIBIA
Sustainable Forest
Management

Mbapira yino kuna kutapa ndjenditito naveta kuhamena liyendito nalirughanito lyawiya narunone rwawiya muNamibia.

LITWAROMO

Ruha rwawiya waNamibia kwarunkondopeka munda yaveta yawiya yamwaka wa2001. Veta yino kwa nkondopeka viviyauka vimwe mukukeverera lirughanito ntani liyendito munaruwa runone rwawiya muNamibia. Yayo kupulitira litakamito runone rwamuwiya mukukeverera litwikiro likutundakano lyawiya na vikorama yira litakamito likonkomoko livhu ntani likutapatano lyampepo yayidona, kukeverera vimaliva ovyo vyawedererango kulikuro lya likonomi. Veta yawiya kwapulitira litulitopo likungowiya ovyo vyayititango po liyandero kumeho lyapa umwene ntani likaro nawa lya vatungi pamukunda. Veta yawiya kwakara mumawoko ghauministeli waLikungontjitwe, Wiya na Udinguli.

Vetaghona yimwe nka yakuweda ko muliyendito lya runone rwawiya ndjo veta yalitakamito ntjitwe yamwaka wa2007, vatinikanga ruha rwamarawiro ghakuyendita ntjitwe, kumwe nka na uminisiteli walikungontjitwe wiya naudinguli. Veta yaliyendito nawa ntjitwe kwakara mulyo kuliyenguro lya vitondo na vishwa ntani likenito lyamavango mbyo viviyauka vatjanga mwayino veta. Likwatakano lyaveta yino kwakara mulidi veta lya shirongo, vafwaturura mu ruha veta 95 (I) ashi ...

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“... lipangero lina hepa kukorangeda na kukeverera ukalinawa wavantu mukutambura ndjenditito odo vatambitira mukukeverera likutundakano lyawiya navikorama, nandjenditito damakushongo ghavo nantjitwe yaNamibia ntani lirughanito runone rwakuparuka mulighanito nawa mukutapa mauwa kuvaNamibia navantje, ovo vana karopo ntani nava vakumenho...”.

”



Lifano 1: Uhahe (Kwavipulitira: C. Mannheimer)

MBAPIRA YAMAPUKURURO KUHAMENA:

Ndjenditito yapaveta yaliyendito Wiya muNamibia

- 2020**
Liwapukururo lyaveta yawiya yamwaka 2001 mpo lyatameka.
Mbereghe yaruha rwalikeverero wiya arudirukire kuministeli unakaro pa ntantani waunandima, mema ntani liwapukururo livhu ruyende kuministeli waunantjitwe, wiya naudinguli.
- 2015**
Manangwiro ghaliyendito lyaveta yawiya ya mumwaka 2001 mpo vaghapulitilire paveta.
- 2012**
Litameko lyaveta yalitakamito liyanguro vitondo.
- 2011**
Makonakono ghawiya muNamibia.
- 2007**
Lipulitiro veta yalikeverero vikwavitondo mpyo vayi pulitilire.
- 2006**
Liyuvhito lyamakungo ntjitwe 13 ogho vapulitilire paveta.
- 2005**
Liwapukururo lya veta da wiya 13 odo dafwatururo virughana vya liyendito lya vikwavitonde.
- 2002**
Ruha rwakarero po likeverero lya wiya mpo rwatundire kuUministeli walikungontjitwe naudinguli aurundurukire ku Umanisteli Unandima, mema nowiya.
- 2002**
Lipulitiro lya veta yaliyendito livhu lyankarapamwe.
- 2001**
Ndjenditito namanangwiro ghaveta dawiya.
Lipulitiro lya veta yaliyendito wiya.
- 1999**
Litulitopo veta nandjenditito ntani na manangwiro ghamakona-kono nalikenguro liyendo kumeho lya lirughanito munaruwa naliyendito wiya muNamibia.
- 1998**
Limanito po lyamatulitopo ghandjenditito yaliyendito runone rwawiya, likenguro mukuliyendita ntani muveta daudjuni.
- 1997**
Lituro muvirughana mafanaiko lyaveta yaliyendito runone rwawiya kupitira mulikukwamo lya mbunga ya Namibia Finland yaliyenditowiya (1997–2001).
- 1996**
Ndjenditito yakuho vaye yalikeverero naliyendito wiya muNamibia.
- 1995**
Ruha rwalikeverero wiya mpo rwatamikire namarongikido ghamafanaiko likeverero liyenditito wiya.
- 1992**
Veta yakuho vaye yaliyendito wiyapantambo yashirongo.
- 1990**
Lidiveta lya Namibia veta ntoporwa ya 95(I).

Shifanekwatjangwa 1: Likukwamo lyamuyaro wa likuro lyamanangwiro liyendito vitondo yayiwa kutunda palimanguruko muNamibia

MULYO WASHIRUGHANA SHANDJENDITITO YAPAVETA MULIYENDITO WIYA

Ndjenditito yayiwa yapaveta kwakara mulyo muliyendito wiya morwa kunkondopeka lipangero lyaliwa ntani kukeverera varughaniti marunone mukutikitamo veta. Manangwiro ghakaro muveta yawiya kupameka liyendito wiya mundjira dakukushuva- shuva, rambangako kutapa manangwiro ntani virughana vyamakushongo kuvarughani muruha rwalikengero wiya ntani vaholi vamwe mukukeverera liyendito munaruwa ntani lirughanito runone rwawiya lyakuyukilira lyarunone.

1. Kutapa ndjenditito yakuyukilira mukutulitapo makungowiya

Litjangito lyalikungowiya kwakwamanga ntambo 10 damakukwamo kumeho vayiyuvhite paveta ashi likungowiya.

NTAMBO	VIRUGHANA	
1. Litapo mapukururo namagwanekero	Kutantera vatungimo pa dimukunda kuhamena mpito, nkondo, ndjendito ntani mauwa gha LW.	Ndjenditito yapamuntango
2. Litjangito lya-vakwatitko navakorangedi	Mbapira yamakwatitiko yakurudi kuyitapo kumberewo yakerapo vikwawiya.	
3. Liturombunga vatungimo pamukunda	Kuturapo LLP, morwa ntjo shinakugwanitapo shalikuyuvho lya litulitopo likungwiya paveta.	
4. Lirughanito livhu ntani Ifanaiko lyarunone	Litetauro nalifanayiko lyalivango olyo vana kungungunyikira ntani kudimburura lirughanito lyalivhu kuhamitiramo vantu ntani varughani vakuruha rwamberegho yaliyendito wiya.	Lituromo mashungido nantambo yalipulitiro
5. Litetauro nalipulitiro lyadimurudi	Lidimbururo lyadimukunda dakaro munda yolyo livango nakudiddilika ashi livango liyivikwe kuvanantjintwe murudi vanahepa kughupulitira mberewa yarudi.	
6. Likonakono lya makuliko ntani lidimbururo mpumbwe	Kupungura mapukururo kuhamena mafanaiko gha liyendito ntani vatapi mbatero mukudimburura maghudito nampito dakaro mu LW.	
7. Litulitopo lya mafanaiko ghaliyendito wiya	Litetauro lyalikungo wiya kutwara kuvirughana vyakulishuva-shuva. Mafanaiko ghaliyendito vana hepa kughatilitapo ghamareru ntani kughatilitapo mukuhamitiramo vatungimo.	
8. Kutulitapo mauwa nolikutapo mukosho	Kutulitapo ndjenditito dakupira ghufiki dakutapera mauwa.	
9. Likuyuvho lyapakarugho lyalikungo ntjintwe	Lingungunyikiro lyalikuyuvho pakatji LLW naUministeli walikungontjintwe,wiya naudinguli, ngo ndjenditito yalitjangito. Likuhamitiro lya MR ntani vampititi vapantambo yamukunda yakara mulyo unene.	
10. Kuturamo mashungido ghalipulitiro likungo wiya	Kutwara mulimano lyontambo dinakapito, livyukiliro lina kuliyendo noveta yo litakamito wiya.	

LW=Likungo Wiya; LLW=Liyendito Likungo; MR=Mberegho yaRudi

Shifanekwatjangwa 2: Ntambo Murongo dakupulitira Likungo wiya

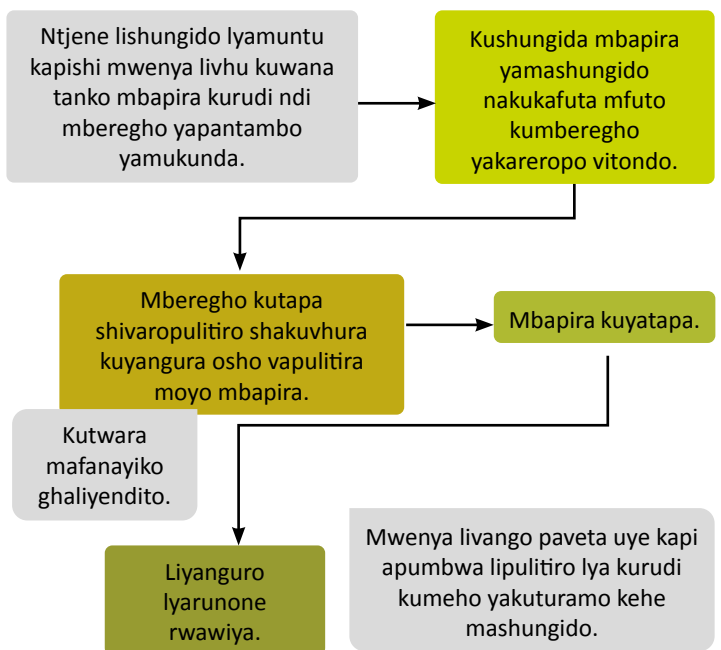
2. Mpapirapulisiro nononkarero deruganeso runone rowiza

Veta yatulitapo manangwiro nandjenditito mukukeverera ashi virughana vyamuwiya kuna kuvitakamita kupitira mumapulitiro ghambapira dakushuva-shuva. Marawiro ghaliyenditowiya kutapa mpito namanangwiro ghaveta yawiya kwatapa mpito kuvitondo vyapampo mposhi navyo yiye munda yashirongo ndi mposhi yayiyangure paundambo. Mbapirapulitiro yamaghulitiro nayo kwavihepa, lidiko vitaura ndi matungo ntani unamina, likeverero wiya ndi mavango ghakupopera.

Shitafura 1: Likwatakano lyambapira damapulitiro ghakushuva-shuva

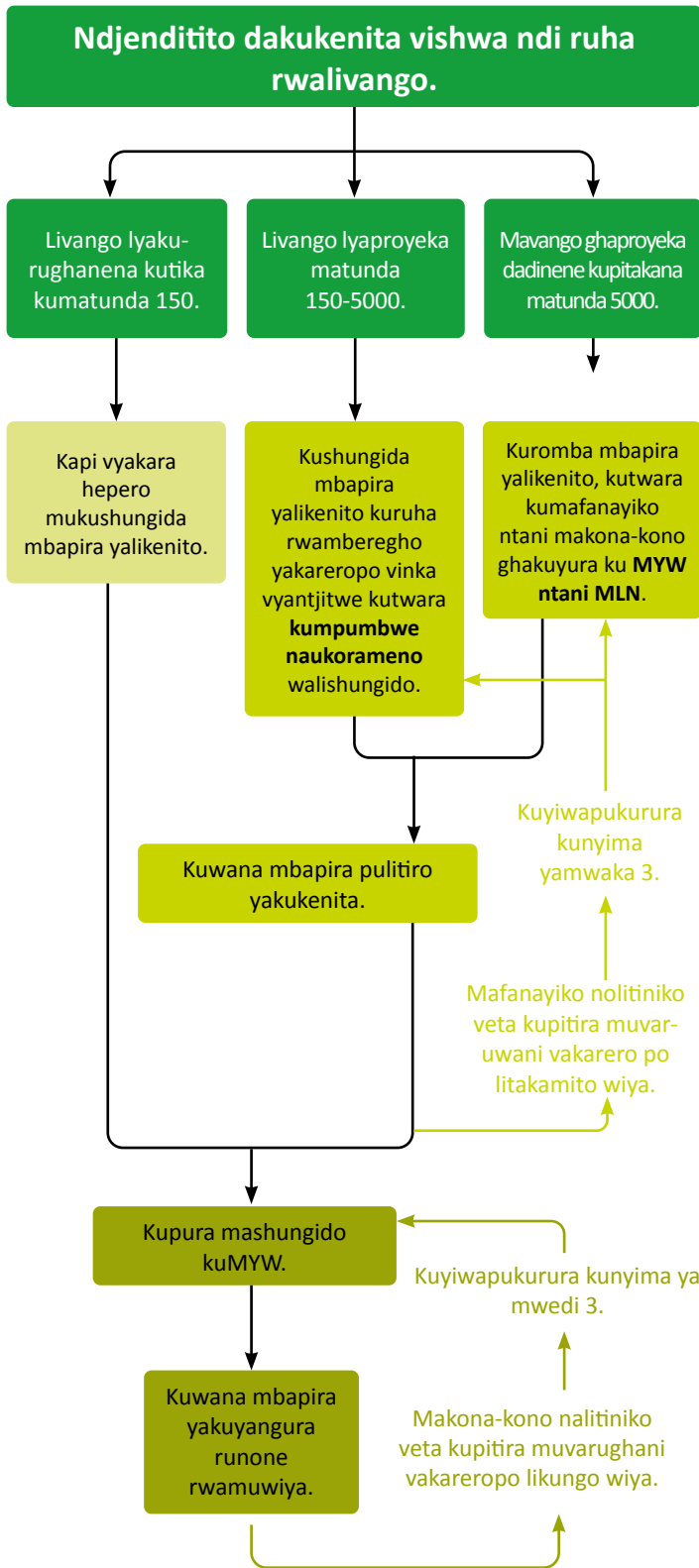
Rudi rwambapira pulitiro	Lifwatururo	Mulyo wambapira pulitiro
Mbapira pulitiro yakuyangura	Kehe shino shitondo vatjanga mukurughanitako, vikwa vishongaura ndi makara, ndi walye kehe runone rwawiya mulivango kuyitapa kunyima yakukona-kona livango.	Mwedi 3
Mbapira pulitiro yakughuyendero	Mukututa kehe shitondo ndi vikuni ndi runone rwavikwavitondo yira vitoropora, vipirangi, makara ndi novikuni.	Mayuva 7
Mbapira pulitiro yakutwara muyangu pandje yashirongo	Yakutwara kehe vikwa vitondo ndi vikuni pandje yashirongo shaNamibia.	Mayuva 7
Mbapira pulitiro yamaghulitiro	Mukughulita kehe runone rwawiya vikareshi paundambo ndi pandje yashirongo.	Mwedi 3 maghulitiro ghapaundambo yakuyeruka Mwedi 1 mulivhu lyampongatano

Mbapira pulitiro dakushuva-shuva kwadiwananga navitambo vyakushuva-shuva, kwato "mbado" ndi mbapira pulitiro oyo yapulitirango ruha rwapeke. Mbapira pulitiro yakuyangura ndjo yakuwana pamuntango, ntani dikwamako diunyado. Ntambo yaushungidi kwakushuva shinenepo dapamundinda ndi mwenya livango, mwenya livhu lyampongatano ndi likungowiya.



Shifanekwatjangwa 3: Ndjenditito dakuwana mbapirapulitiro yakuyangura vitondo

Liyanguro lyavishwa mukurughana makara, vapumbwa mbapira pulitiro yakukenita marongo, kuruha rwakareropo vinka vyantjitiwe, unenepo parudi rwavitondo vyavinene vyakushongaura.



MYW=Mberegho Yavinka vyaWiya **MLN**=Mafanayiko Liyendito Ntjitiwe

Shifanekwatjangwa 4: Vinakugwanitapo vyambapira yakuyangura ntani mbapirapulitiro yakukenita (SAIEA, 2016)

3. Linkondopeko lyaveta namatengeko

Varughani vamberegho yavinka vya wiya kwakara nankondo dakutinika manangwiro ghakuhamena lirughanito runone rwawiya, ovo vana kutauruko manangwiro ghano vapumbwa kuvafutita ndi

kuvatura mudorongo kutwara kumaundjoni ghavo. Mashungido kwatamekera liyanguro hana paveta dogoro nange kukupira kutikitamo manangwiro ghambapira pilitiro.

Liyanguro hana ashi paveta kuvhura kulifwaturura yira lishimbo runone rwamuwiya pahana lipulitiro, kupitakana kuyangura mulyo wevi vadidilika pa mbapirapulitiro; oshino ntjo shirughana shimwe shashwo kushoroka shinenepo mulivango mpulitiro ghavitondo.

Shitafura 2: Maundjoni ntani matengeko kutwara manangwiro (Directorate of Forestry, n.d.)

Undjoni	Matengeko
Kughupapo ndi kudjonaura murudi vaturapo varughani vamberegho yakareropo vinka vyawiya.	N\$ 8,000 ndi mwaka 2 mudorongo
Kukara narunone rwamuwiya hana lipulitiro, ovyo vyapumbwo mbapirapulitiro.	N\$ 8,000 ndi mwaka 2 mudorongo
Kushadaura viyivito varughani valikungo wiya parunone rwamuwiya.	N\$ 8,000 ndi mwaka 2 mudorongo
Kudjonaulita virughana vya vanamberegho.	N\$ 8,000 ndi mwaka 2 mudorongo
Kufuta muumbembe; ndi shetekerako kufuta ndi murughani, mukutambura mfuto yamuumbembe.	N\$ 8,000 ndi mwaka 2 mudorongo
Kushora muniro mposhi ukuhanene mumavango vatakamita.	N\$ 4,000 ndi mwaka 1 mudorongo
Kushwena kudimita muniro ntjene vanakupura uviruwane.	N\$ 2,000 ndi mwaka 6 mudorongo
Kutapa mapukururo ghavimpempa pakupura mashungido.	N\$ 12,000 ndi mwaka 3 mudorongo
Kudjonaura vikwanyango ndi kuupa ushi, mpuka, ndi vimwe vyakuhamena kurunone rwamulivhu.	N\$ 500 ndi mwaka 3 mudorongo
Kukanita manangwiro ogho yatulitapo ministeri mukutakamita litikitomo veta.	Matengeko shimpe mulikengururo lyaminister, mara kapinga yipitakana N\$ 2,000 ndi mwaka 3 mudorongo
Kupira kutapa lighupiropo kuhamena liwaneno mauwa mumaliva, vikareshi mukalipata ndi muholi paunangeshefa, mundango yaliyendito wiya pavitompwera vyamatokoro.	N\$ 2,000 ndi mwaka 3 mudorongo
Lidonganito lyamanangwiro kuvhura vitwalitire kulikombanito mbapira ndi kehe runone rwamuwiya oro vayapongaika navirughanita navintje evi vanarughanita mukupongaika.	

Kehe uno ana kutapo umbangi walidonganito anahepa kurughana shimwe ndi vyavingi pavino vina kukwamoko:



Kugwanekera namberegho yakareropo po wiya ndi vaprosi.



Mbudi yamaumbangi, unenepo mafano vikwata mafano navighamba.



Kupira vaghayareli unjoni mukushayeka, vahana kudjonaura ukalinawa wamuntu wangandi.

VITONDO VYAKARO MULIOPERO

Ntambo yalitakamito lyavitondo kwakara nashitambo shaviyeramo pa Ekonomi ntani mulyo waliparu narudi rwashitondo.

Shitafura 3: Vitondo vyakaro muliopero muNamibia ntani nakonda yalipopero

Madina ghovitondo	Scientific name	Konda yalipopero
Untu	<i>Acacia erioloba</i>	Maranga ghakukura, mboreka
Ukuyu	<i>Adansonia digitata</i>	Mauwa ghamaulitiro, shitondo shamulyo ngudu
Muteruteru	<i>Albizia anthelmintica</i>	Mutondo wamulyo, mboreka
Uhahe	<i>Baikiaea plurijuga</i>	Mulyo washitondo, shasho mulyo unene
Unkudi	<i>Boscia albitrunca</i>	Kwasirughanitanga kupitakanena, maranga ghakukura
Usivi	<i>Colophospermum mopane</i>	Kwashirughanitanga kupitakanena
Unyondo	<i>Combretum imberbe</i>	Mulyo pampo, maranga ghakukura
Lingangwe	<i>Commiphora wildii</i>	Mauwa ghamaulitiro, kwaviyanguranga kupitakanena
Ugoro	<i>Faidherbia albida</i>	Rudi rwaruwa unene, kukeverera nkenkera damukuro
Ughuva	<i>Pterocarpus angolensis</i>	Kuviyangura kapi paveta, vitondo vyamulyo
Marula	<i>Sclerocarya birrea</i>	Kwavirughanitanga unene
Makarakasa	<i>Spirostachys africana</i>	Kwavirughanita unene

LISHAYERO

Manangwiro kwakara mulyo unene mwakehe virughana, ruha rwawiya naro kapi varushuvida ko. Shingi shavantu kwahuguvara nakuparuka muwiya; vavo kukara namanangwiro palivango ogho ana kupopero nakukeverera runone gharenkite shi maparu ghavantu vaghakeverera ntani kuna kurughanita runone munaruwa.

Namibia akara naveta edi dakevererango runone romuwiya ntani naveta dimwe edi dakughambo kuvininke peke yira likuliko lyakumambo unenepo mulikeverero. Ano pa kara nka maudito ghamwe yira udidi walivango ntani uyivi kuhamena lirughanito lyakuvyukilira lyaveta mundjenditito yamunaruwa. Maghano ghamanangwiro namakukwamo kwa ghatulitapo kehe ruvede mukukwatitako lirughanito runone rwamuwiya munaruwa.

Lidimbururo lyamakungo wiya kuvhura kulirenkita likare ndjira

yayinene mukutapa mpito kuvatungi kudimukunda dakumambo vakare nalinkondepeko lyakuveverere nakurughanita runone rwamuwiya, mposhi vavhure kuwanenamo mauwa. Manangwiro ghatamunuka nka kumavango ghangeshefa ghamanene yira makara, maughuva, ntani vimwenka vyamuwiya vyahanashi vitondo.

Mukuwedererako mpumbwe dapauntu, maliva, ntani runone rwamatungo pakara mpito yashirongo mwakurughanita veta pakuvyukilira; ovino kuvatera mposhi vavane mauwa murunone rwamuwiya nakutapa mpito kurudi oru ngarukayo kumeho.

LITOROKO LYANKANGO

Lifanaiko lyaliyendito ntjitwe [Environmental management plan]:

Lifanaiko lyaliyendito lyantjitwe ,mbapira yakupititira mukunomena litikitomo namashetakanito mukupopera ntjitwe, ntani mukukandana madjonauro gphantjitwe ghakutundilira kuproyeka ndi ghavirughana.

Runone rwamuwiya [Forest resources]:

Mauwa naghantje yira nyango, vikuni, navimewe vyakupira vitondo ntani nakehe likundakano lyawiya navimeno evi vavhuranga kuwana muwiya.

Lighano lyapakarugho lyaliyendito ntjitwe [Generic environmental management plan]:

Lino lighano lyapakarugho lyakuyendita ntjitwe eli lyapiro kuvyukilira kuproyeka yangandi, ngoli kwafwaturura mbunga davirughana vyakushuva-shuva.

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